

**In the Claims**RECEIVED  
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JUN 20 2007

What is claimed is:

1. (original) An Aqueous Film Forming Foam formulation comprising  $R_F$ - $Q_s$ ,  
wherein:

$R_F$  has a greater affinity for a first part of a system having at least two parts than

$Q_s$ ;

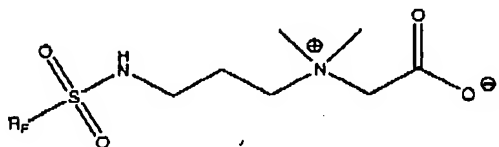
$Q_s$  has a greater affinity for a second part of the system than  $R_F$ ; and

$R_F$  comprises at least two  $-CF_3$  groups and at least two hydrogens.

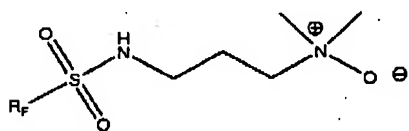
2. (original) The formulation of claim 1 wherein  $R_F$  is hydrophobic relative to  $Q_s$ .
3. (original) The formulation of claim 1 wherein  $Q_s$  is hydrophilic relative to  $R_F$ .
4. (original) The formulation of claim 1 wherein  $R_F$  is hydrophobic and  $Q_s$  is hydrophilic.
5. (original) The formulation of claim 1 wherein  $R_F$  comprises at least one  $-CH_2-$  group.
6. (original) The formulation of claim 1 wherein  $R_F$  comprises at least one cyclic group.
7. (original) The formulation of claim 6 wherein the cyclic group comprises an aromatic group.

8. (original) The formulation of claim 1 wherein  $R_F$  comprises at least one  $(CF_3)_2CF-$  group.
9. (original) The formulation of claim 1 wherein  $R_F$  comprises at least three  $-CF_3$  groups.
10. (original) The formulation of claim 1 wherein  $R_F$  comprises at least two  $(CF_3)_2CF-$  groups.
11. (original) The formulation of claim 1 wherein  $R_F$  comprises at least four carbons and one of the four carbons comprises a  $-CH_2-$  group.

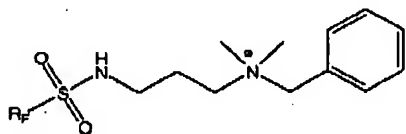
12. (original) The formulation of claim 1 wherein  $R_F-Q_3$  is



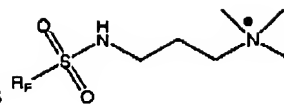
13. (original) The formulation of claim 1 wherein  $R_F-Q_3$  is



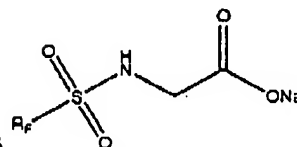
14. (original) The formulation of claim 1 wherein  $R_F-Q_3$  is



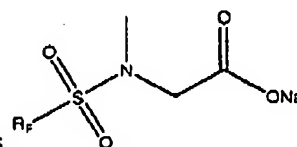
15. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



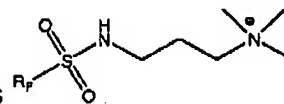
16. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



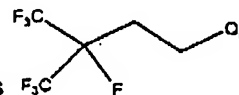
17. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



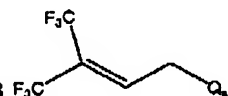
18. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



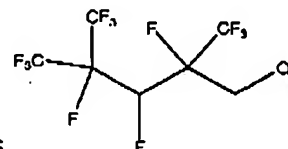
19. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



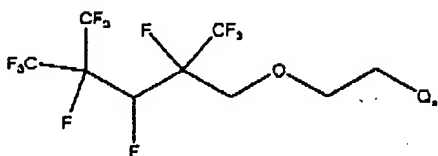
20. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



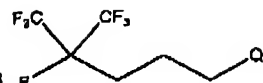
21. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



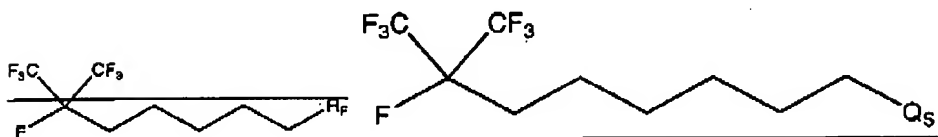
22. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



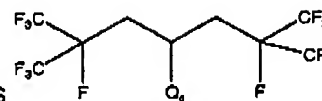
23. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



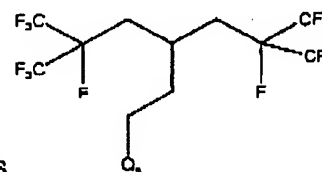
24. (currently amended): The formulation of claim 1 wherein  $R_F-Q_8$  is



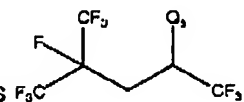
25. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



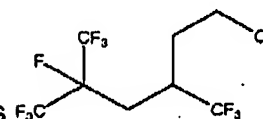
26. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



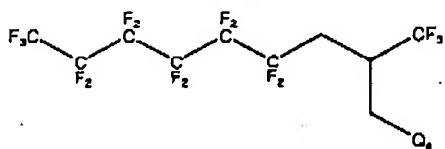
27. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



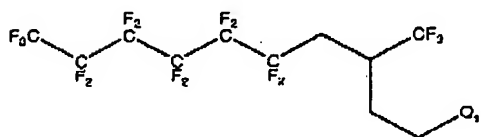
28. (original) The formulation of claim 1 wherein  $R_F-Q_8$  is



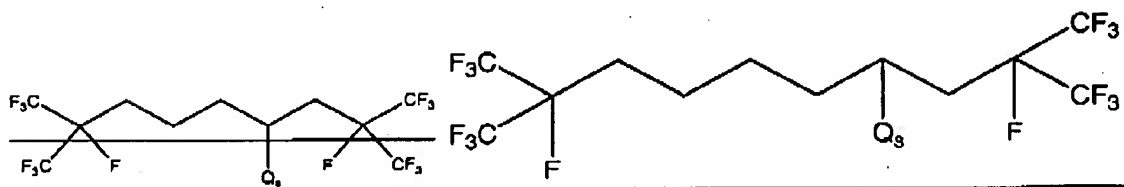
29. (original) The formulation of claim 1 wherein  $R_F-Q_5$  is



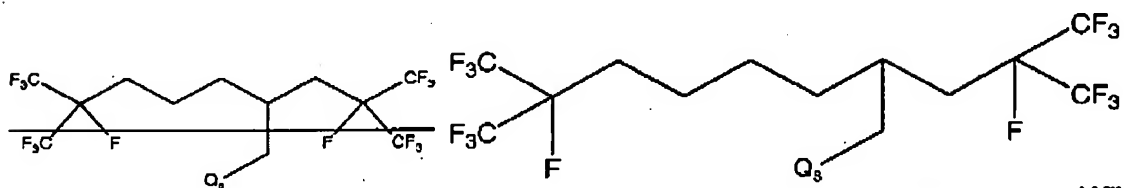
30. (original) The formulation of claim 1 wherein  $R_F-Q_6$  is



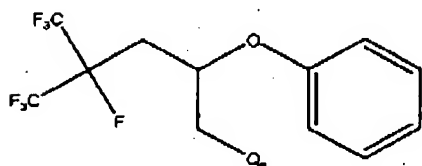
31. (currently amended): The formulation of claim 1 wherein  $R_F-Q_8$  is



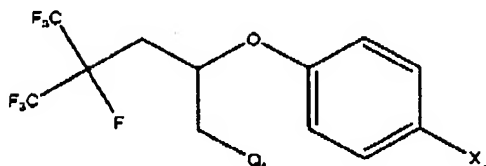
32. (currently amended): The formulation of claim 1 wherein  $R_F-Q_6$  is



33. (original) The formulation of claim 1 wherein  $R_F-Q_9$  is



34. (original) The formulation of claim 1 wherein  $R_F-Q_6$  is



35-70 (cancelled).

71. (original) A foam stabilizer comprising  $R_F-Q_{FS}$ , wherein  $R_F$  is hydrophobic relative to  $Q_{FS}$ ,  $R_F$  comprising at least two  $-CF_3$  groups and at least two hydrogens.

72. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least one  $-CH_2-$  group.

73. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least one cyclic group.

74. (original) The stabilizer of claim 73 wherein the cyclic group comprises an aromatic group.

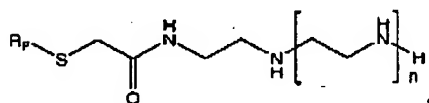
75. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least one  $(CF_3)_2CF-$  group.

76. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least three  $-CF_3$  groups.

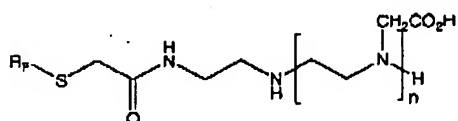
77. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least two  $(CF_3)_2CF-$  groups.

78. (original) The stabilizer of claim 71 wherein  $R_F$  comprises at least four carbons and one of the four carbons comprises a  $-CH_2-$  group.

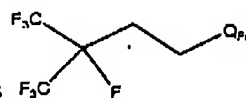
79. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



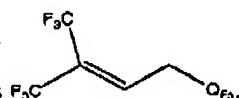
80. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



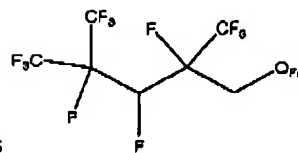
81. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



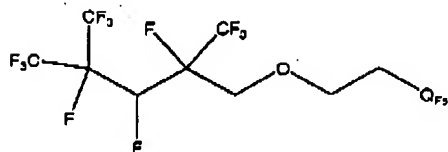
82. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is

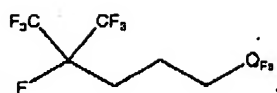


83. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is

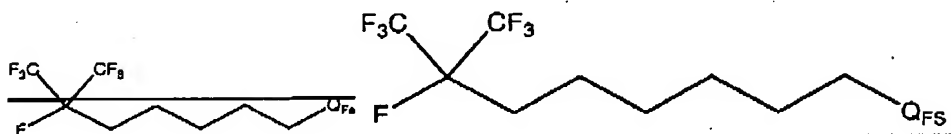


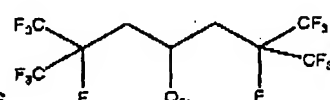
84. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is

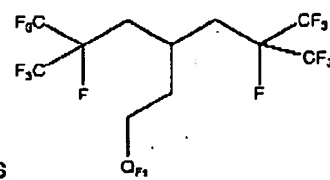


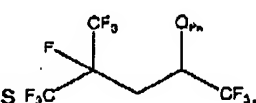
85. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is 

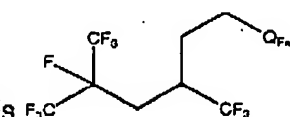
86. (currently amended): The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



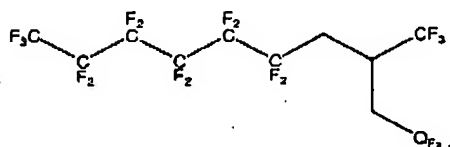
87. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is 

88. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is 

89. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is 

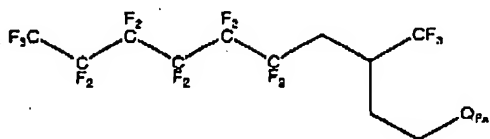
90. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is 

91. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is

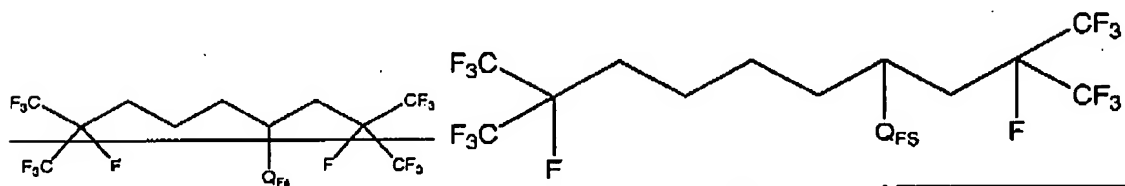




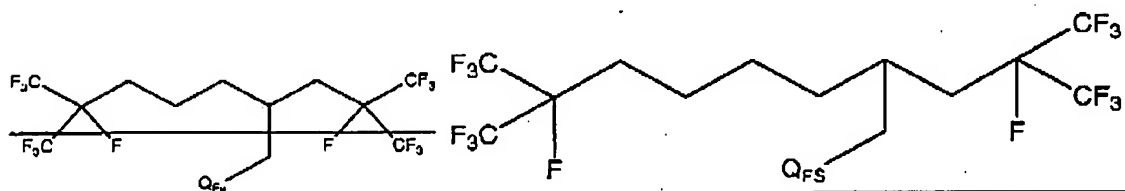
92. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



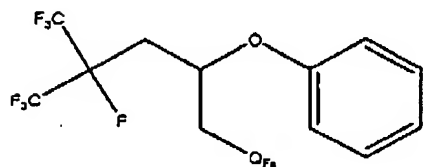
93. (currently amended): The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



94. (currently amended): The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



95. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is



96. (original) The stabilizer of claim 71 wherein  $R_F-Q_{FS}$  is

